

DECLARATION AND POWER OF
ATTORNEY FOR PATENT APPLICATION
(37 CFR 1.63)

Attorney Docket Number 42P15762

First Named Inventor William W. Macy, Jr.

COMPLETE IF KNOWN

Application Number 10/611,344

Filing Date June 30, 2003

Art Unit 2124

Examiner Name Unknown

Declaration
Submitted
with Initial
Filing

OR

Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16(e))
required)

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe I am the original and first inventor (if only one name listed below) or an original and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND APPARATUS FOR SHUFFLING	DATA
(Nile of the Invention)	
he specification of which	
is attached hereto.	
OR	
was filed on (if applicable): or as United States Application Number PCT International Application Number	10/611,344
and was amended on	(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

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N	lame	Peter Lam Blakely, Sokoloff,	l'aylor & Zafinan L	LP					
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C	tty	Los Angeles		State	California		Zip Code	90025-1030	
C	onntry	USA	Tek	ephone	(408) 720-8300		Fax	(408) 720-8383	
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NA	ME OF S	OLE OR FIRST	INVENTOR:	□ А ре	tition has been	filed for th	is undersi	gned inventor	
Ful	Name:],		Villiam W. Mac				
Inv	entor's S	ignature <u>W</u>	(First, Middle	(f any), I	Family Name (or S	ername), and Pate	Suffix [if as	" - Zoc	<u>53</u>
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Mailing Address			
Docket No. 42P1576	52 -3.	·	· · · · · ·

Appendix A

I hereby appoint with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith, BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP, a firm including: Ramin Aghevli, Reg. No. 43,462; William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; W. Thomas Babbitt, Reg. No. 39,591; Jordan M. Becker, Reg. No. 39,602; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Cory G. Claassen, Reg. No. 50,296; Thomas M. Coester, Reg. No. 39,637; Mirni D. Dao, Reg. No. 45,628; Stephen M. De Klerk, Reg. No. 46,503; Daniel M. De Vos, Reg. No. 37,813; Sanjeet Dutta, Reg. No. 46,145; Tarek N. Fahmi, Reg. No. 41,402; Thomas S. Femili, Reg. No. 42,532; George L. Fountain, Reg. No. 36,374; Adam Furst, Reg. No. 51,710; Angelo J. Gaz, Reg. No. 45,907; Andre M. Gibbs, Reg. No. 47,593; James Y. Go, Reg. No. 40,621; Jason R. Graff, Reg. No. 54,134; Jeffery Scott Heileson, Reg. No. 46,765; James A. Henry, Reg. No. 41,084; Wilmore F. Holbrow III, Reg. No. 41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; Aslam A. Jaffery, Reg. No. 51,841; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; Steven Laut, Reg. No. 47,738; Suk S. Lee, Reg. No. 47,745; Gordon R. Lindeen III, Reg. No. 33,192; Jan Carol Little, Reg. No. 41,181; Joseph Lutz, Reg. No. 43,765; Michael J. Mallie, Reg. No. 38,591; Andre L. Marais, Reg. No. 48,095; Raul D. Martinez. Reg. No. 46,904; Paul A. Mendonsa, Reg. No. 42,879; Jonathan S. Miller, Reg. No. 48,534; Heather M. Molleur, Reg. No. 50,432; Richard A. Nakashima, Reg. No. 42,023; Thinh V. Nguyen, Reg. No. 42,034; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanezian, Reg. No. 41,236; Philip A. Pedigo, Reg. No. 52,107; Marina G. Portnova, Reg. No. 45,750; Joseph A. Pugh, Reg. 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No. 54,351; Lanny Parker, Reg. No. 44,281; Michael D. Pfimier, Reg. No. 43,004; Michael Proksch, Reg. No. 43,021; Kevin A. Reif, Reg. No. 36,381; Crystal D. Sayles, Reg. No. 44,318; Justin B. Scout, Reg. No. 54,431; Kenneth M. Seddon, Reg. No. 43,105; Mark Seeley, Reg. No. 32,299; Aml P. Shah, Reg. No. 42,143; David Simon, Reg. No. 32,758; Steven P. Skabrat, Reg. No. 38,279; Howard A. Skaist, Reg. No. 38,008; Paul E. Steiner, Reg. No. 41,328; Joni D. Stutman-Horn, Reg. No. 42,173; David Tran, Reg. No. 50,804; John F. Travis, Reg. No. 43,203; Robert G. Winkle, Reg. No. 37,474; Sharon Wong, Reg. No. 37,760; Steven D. Yates, Reg. No. 42,242; Calvin E. Wells; Reg. No. 43,258; Michael Willardson, Reg. No. 50,858 and Charles K. Young, Reg. No. 39,435; my patent attorneys and my patent agents, of INTEL CORPORATION; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith. with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Title 37, Code of Federal Regulations, Section 1.56 Duty to Disclos Information Material to Patentability.

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filling and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information, which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
 - (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filling or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
 - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is aubstantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.



DECLA	RATIO	ON AND POWER OF	Attorney Docket Numb	per 42P15762
ATTORNEY		PATENT APPLICATION	First Named Inventor	William W. Macy, Jr.
	(37	CFR 1.63)	C	OMPLETE IF KNOWN
			Application Number	10/611,344
Declaration Submitted	-	Declaration Submitted after Initial	Filing Date	June 30, 2003
with Initial Filing	OR	Filing (surcharge	Art Unit	2124
Filling		(37 CFR 1.16(e))	Evernings Name	Linknoum

As a below named inventor, I hereby declare that:

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METHOD AND APPARATUS FOR SHUFFLING	DATA
(Title of the Invention)	
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he specification of which	·
is attached hereto.	
OR	
was filed on (if applicable):	
or as United States Application Number PCT International Application Number	10/611,344
and was amended on	(if applicable)

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Prior Foreign Application(s):

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City	Los Angeles		State	California		Zip Code	90025-1030
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Fuli Name:	Patr (First Middle [if any], Family	ice L. Roussel	- At - 125 35
uda Gimanha	/ / _		
Inventor's Signature	1000	Date	0-09-02
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	(First, Middle [if any], Family		uffix [if any])
Inventor's Signature		Date	
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residence ring	(City, State, Country)	Onizonship O	(Country)
Mailing Address	16909 Isle of Man Road		
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NAME OF FIFTH IN	IVENTOR:	een filed for this unders	signed inventor
Full Name:			m rid 1
	(First, Middle [if any], Famil)		uffix [if any])
Inventor's Signature	·	Date	
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Mailing Address	, ,		
Docket No. 42P15762	-3-		

Appendix A

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Title 37, Code of Federal Regulations, Section 1.56 Duty to Disclose Information Material to Pat ntability.

- (a) A patent by its very nature is affected with a public interest. The public Interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each Individual associated with the filing end prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information, which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which freud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
 - (1) Prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
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- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.



DECLAR	OITAS	N AND POWER OF	Attorney Docket Number	er 42P15762
ATTORNEY!	FOR F	PATENT APPLICATION	First Named Inventor	William W. Macy, Jr.
	(37 (CFR 1.63)	C	OMPLETE IF KNOWN
			Application Number	10/611,344
Declaration		Declaration Submitted after Initial	Filing Date	June 30, 2003
Submitted with Initlal	OR	Filing (surcharge	Art Unit	2124
Filing		(37 CFR 1.15(e)) required)	Examiner Name	Unknown

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe I am the original and first inventor (if only one name listed below) or an original and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND APPARATUS FOR SHUFFLING D	ATA
(Title of the Invention)	
the specification of which is attached hereto.	
OR was filed on (if applicable): or	10/611,344
and was amended on PCT International Application Number	(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreig	n Application(s):							•
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Name	Peter Lam Blakely, Sokoloff,	Taylor & Zafman	LLP					
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City	Los Angeles		State	California		Zip Code	90025-1	1030
Country	USA	Т	elephone	(408) 720-8300		Fax	(408) 72	20-8383
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inventor's :	Signature							

Docket No. 42P15762

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(Country)

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151 Melville Avenue

(City . State, Country)

Palo Alto, California 94301 USA

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	(First, Middle [if any], Fami	ly Name (or Surname), an	d Suffix [if any])
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	(City, State, Country)		(Country)
ling Address	1365 Lexington Street		
	Santa Clara, California 95050 USA	·	
ME OF THIRD	INVENTOR:	been filed for this und	lersigned inventor
Name:	Pa	trice L. Roussel	
	(First, Middle [tf any], Fam	ily Name (or Surname), ar	nd Suffix [if any])
entor's Signatur	9	Date	
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sidence <u>Por</u>	tland, Oregon USA (City, State, Country)	Citizenship	(Country)
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	Portland, Oregon 97212 USA		
UNE OF FOOK	TH INVENTOR:	been filed for this und	tersigned inventor
	•		dersigned inventor
	•	Iuy V. Nguyen	nd Suffix [if any])
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I Name:	(First, Middle [if any], Fam	Huy V. Nguyen ally Name (or Surname), and Date	nd Suffix [if any])
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